

PHILIPS

UV-C disinfection batten



Philips UV-C batten

The power to protect

UV-C batten

The UV-C batten is designed for the disinfection of surfaces and is suitable for a wide range of applications. The UV-C batten provides universal UV-C irradiance with homogenous distribution. Its disinfection capability is based on wattage used and a specific exposure time for a given distance from that surface. No person should be present at the time of usage, due to high risk of harm to eyes and skin. The performance is enhanced by a highly-reflective and durable aluminum body, which improves its efficacy even further and directs the UV-C light to the to-be-irradiated surfaces.

The lamp holders and end caps are protected against UV-C thanks to dedicated shielding. There is a 1- and 2-lamp version available, for both the bare batten and reflector batten. This offers even a greater flexibility.

Benefits

- UV-C effectively inactivates many viruses and germs on directly irradiated surfaces.¹ Moreover, in laboratory testing, Signify's UV-C light sources inactivated 99% of SARS-CoV-2 virus on a surface with an exposure time of 6 seconds.²
- Proven, effective disinfection over the useful long lifetime of lamp and luminaire.
- Environmentally friendly - no ozone emissions during or after use.
- Combined with safeguards such as controlled-access devices, it is used safely.
- Can be used in numerous applications.

Features

- Lamp configurations possible: 1-lamp or 2-lamps version.
- Available with or without reflectors.
- Philips T8 TUV lamp included: 18W or 36W.
- Shortwave UV radiation peak at 253.7 nm (UVC).
- High reflective aluminum housing for better reflectivity and performance.
- All plastic components are protected by dedicated UV-C shielding.
- Various mounting options.
- Complies with all applicable regulations and standards.

¹ Fluence (UV Dose) Required to Achieve Incremental Log Inactivation of Bacteria, Protozoa, Viruses and Algae Revised, updated and expanded by Adel Haji Malayeri, Madjid Mohseni, Bill Cairns and James R. Bolton. With earlier contributions by Gabriel Chevretils (2006) and Eric Caron (2006) With peer review by Benoit Barbeau, Harold Wright (1999) and Karl G. Linden.

² Data made available to us by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University, which has been collected from a laboratory experiment conducted by Dr. Anthony Griffiths (Associate Professor of Microbiology at Boston University School of Medicine) and his team at the premises of the NEIDL (such data will be the subject of a forthcoming scientific publication by Boston University), shows that Signify's UV-C light sources irradiating the surface of a material inoculated with SARS-CoV-2 (the virus that causes the COVID-19 disease) at a UV-C dose of 5mJ/cm² (exposure time 6 seconds) resulted in a 99% reduction of the SARS-CoV-2 virus present on that surface. This study determined that a UV-C dose of 22mJ/cm² results in a reduction of 99.9999% of SARS-CoV-2 virus on that surface (exposure time 25 seconds). Research variables are available upon request.

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Application

The batten disinfects surfaces that are directly exposed to the UV-C light, emitted by the UV-C batten. The batten may not be used in the presence of any persons or animals.

Retail	Keep shopping carts, shelves and counters free from contamination.
Hair and beauty salons	Disinfect client rooms, operating floor, mirrors, chairs surfaces, and other sensitive areas.
Schools	Disinfect classroom walls, floors, desks and surfaces.
Offices	Neutralize work rooms, meeting spaces and corridors.
Banking	Disinfect counters, cash machines and work surfaces.
Hospitality	Disinfect guest rooms, reception areas and health facilities.
Food outlets	Eliminate bacteria on preparation surfaces and equipment.
Washrooms	Disinfect vanity units, basins and mirrors.
Transportation	Disinfect passengers' waiting spaces.

Warnings and safety

DANGER: Risk Group 3 UV product. Like any disinfection system, UV-C lamps and devices must be installed and used in the correct way. Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea. As UV-C is invisible to the eye, the UV-C batten must be installed together with adequate safeguards to ensure that the UV-C batten can be operated in a safe way. The UV-C battens are only to be used as components in a system that consists of adequate safety safeguards such as, but not limited to, those indicated in the mounting instructions and/or user manuals.

Direct exposure to UV-C is dangerous. Philips UV-C luminaires systems must only be sold through qualified partners and installed by professionals according to our stringent safety and legal requirements. Our UV-C products are not meant to be used in applications or activities which may cause and/or lead to death, personal injury and/or damage to the environment.

Disclaimer

The UV-C battens' effectiveness in the inactivation of certain viruses, bacteria, protozoa, fungi or other harmful micro-organisms is as described above under the heading "Benefits". Signify and its group of companies do not promise or warrant that the use of the UV-C battens will protect or prevent any user from infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease. The UV-C battens are not approved for, are not intended and must not be used to disinfect medical devices. In addition to and without limitation of any exclusions or limitations of liability of Signify and its group of companies as set forth in any agreement for the sale, distribution or otherwise making available of the UV-C battens, Signify and its group of companies shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C battens outside of their intended use or contrary to their installation and operation instructions, each as described in this document under the heading "Application", the user manuals and/or the mounting instructions.

UV-C batten

Specifications

Type	TMS030
Variants	TMS030: bare batten (without reflector) TMS030 R: with reflector
Light source	UV-C lamp: 1x or 2x TUV T8/ 18, 36 W
Lamp included	Yes
Gear	High Frequency Performer (HFP)
Connection	Push-in connector (PI)
Material	Sheet steel, white

Housing material	Aluminum
Reflector material	Aluminum
Color	Alu
Optimal temperature range	+20 + 40°C
Lifetime	9000h - 90% UVC @ end of life
Mounting	Surface mounted or wall mounted (available soon)
Installation	Screw mounting

Versions



**TMS030 1xTUV T8
18W HFP**



**TMS030 2xTUV T8
18W HFP**



**TMS030 1xTUV T8
36W HFP**



**TMS030 2xTUV T8
36W HFP**



**TMS030 1xTUV T8
18W HFP R**



**TMS030 2xTUV T8
18W HFP R**



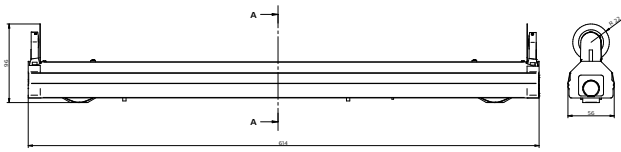
**TMS030 1xTUV T8
36W HFP R**



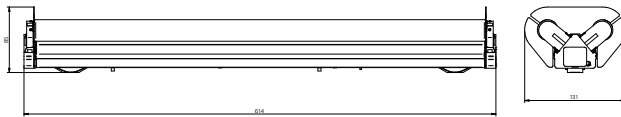
**TMS030 2xTUV T8
36W HFP R**

UV-C batten

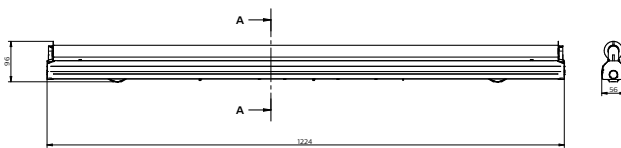
Dimensional drawing



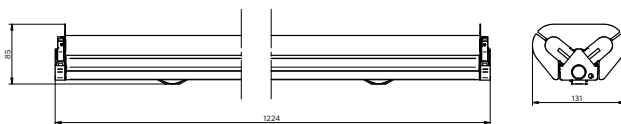
Product	Length	Width	Height
TMS030 1xTUV T8 18W HFP	614 mm	56 mm	96 mm



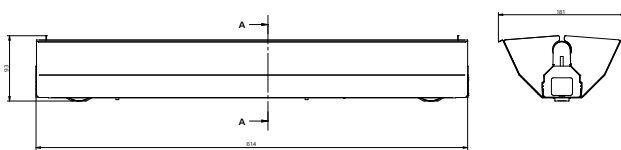
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TMS030 2xTUV T8 18W HFP	614 mm	131 mm	85 mm



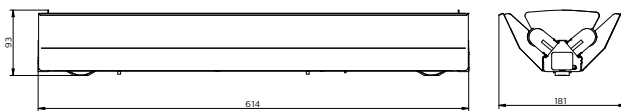
Product	Length	Width	Height
TMS030 1xTUV T8 36W HFP	1224 mm	56 mm	96 mm



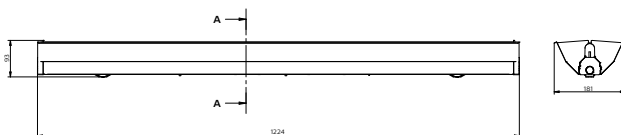
Product	Length	Width	Height
TMS030 2xTUV T8 36W HFP	1224 mm	131 mm	85 mm



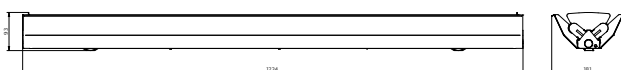
Product	Length	Width	Height
TMS030 1xTUV T8 18W HFP R	614 mm	181 mm	93 mm



Product	Length	Width	Height
TMS030 2xTUV T8 18W HFP R	614 mm	181 mm	93 mm



Product	Length	Width	Height
TMS030 1xTUV T8 36W HFP R	1224 mm	181 mm	93 mm



Product	Length	Width	Height
TMS030 2xTUV T8 36W HFP R	1224 mm	181 mm	93 mm

UV-C batten

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Operating and Electrical

Input Voltage	230 to 240 V
Input Frequency	50 to 60 Hz

General Information

CE mark	CE mark
Protection class IEC	Safety class I
Flammability mark	For mounting on normally flammable surfaces
Lamp family code	TUV T8
Product Family Code	TMS030

General information

Order Code	EAN	Full Product Name	Lamp type	Gear type	Reflector
910925867661	8719514109179	TMS030 1xT8 18W/TUV HFP	1x 18W TUV	HFP	No
910925867662	8719514109186	TMS030 2xT8 18W/TUV HFP	2x 18W TUV	HFP	No
910925867659	8719514109155	TMS030 1xT8 36W/TUV HFP	1x 36W TUV	HFP	No
910925867660	8719514109162	TMS030 2xT8 36W/TUV HFP	2x 36W TUV	HFP	No
910925867665	8719514109216	TMS030 1xT8 18W/TUV HFP R	1x 18W TUV	HFP	Yes
910925867666	8719514109223	TMS030 2xT8 18W/TUV HFP R	2x 18W TUV	HFP	Yes
910925867663	8719514109193	TMS030 1xT8 36W/TUV HFP R	1x 36W TUV	HFP	Yes
910925867664	8719514109209	TMS030 2xT8 36W/TUV HFP R	2x 36W TUV	HFP	Yes

UV-C radiation

Full Component Name	UV-C radiation luminaire		Downward UV-C irradiance at 2m distance	Order Code
	W	W/m ²		
TMS030 1xTUV T8 18W HFP	4,3	0,09		910925867661
TMS030 2xTUV T8 18W HFP	8,6	0,27		910925867662
TMS030 1xTUV T8 36W HFP	14,4	0,3		910925867659
TMS030 2xTUV T8 36W HFP	28,5	0,91		910925867660
TMS030 1xTUV T8 18W HFP R	3,2	0,16		910925867665
TMS030 2xTUV T8 18W HFP R	6,3	0,37		910925867666
TMS030 1xTUV T8 36W HFP R	10,5	0,53		910925867663
TMS030 2xTUV T8 36W HFP R	21,0	1,22		910925867664



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